|     | Туре  | Hits   | Search Text                                                                                        |  |
|-----|-------|--------|----------------------------------------------------------------------------------------------------|--|
| 1   | BRS   | 1      | 10/811599                                                                                          |  |
| 2   | BRS   | 1      | S1 and (stem\$3 mount\$4 submount\$4 PD photo\$6 leads near14 (mount\$4 submount\$4))              |  |
| 3   | BRS   | 52182  | tocan 'to' adj1 can transist\$4 adj2                                                               |  |
| 4 . | BRS   | 446785 | (mount\$4 submount\$4 support\$4) same (pd\$1 photodetect\$4 photodiod\$2 detect\$4)               |  |
| 5   | BRS   | 1839   | S3 and S4                                                                                          |  |
| 6   | BRS   | 26422  | (stem\$3 substrat\$4) same leads same electr\$6                                                    |  |
| 7   | BRS   | 54399  | (tocan 'to' adjl can transist\$4 adj2<br>can 'can' mount\$ submount\$4) same<br>(waveguide\$1 cpw) |  |
| 8   | BRS   | 271026 | (mount\$4 submount\$4) same (pd\$1 photodetect\$4 photodiod\$2 detect\$4)                          |  |
| 9   | BRS   | 101129 | (mount\$4 submount\$4) same (ld\$1 laser\$1 laserdiod\$2 emit\$4 near2 diod\$2)                    |  |
| 10  | BRS   | 111    | S7 and S8 and S9 and S10                                                                           |  |
| 11  | BRS   | 24632  | S9 same S10                                                                                        |  |
| 12  | BRS   | 98     | S12 and S13                                                                                        |  |
| 13  | BRS   | 98 .   | S14 and waveguide\$1                                                                               |  |
| 14  | BRS   | 38     | S15 and (sink\$3 heatsink\$3)                                                                      |  |
| 15  | BRS   | 52498  | (stem\$3 substrat\$4) same ((leads wire\$2 conductors) near4 electr\$6)                            |  |
| 16  | BRS   | 231    | S17 and S8 and S9 and S10                                                                          |  |
| 17  | BRS   | 231    | S18 and waveguide\$1                                                                               |  |
| 18  | BRS · | 77     | S19 and (sink\$3 heatsink\$3)                                                                      |  |
| 19  | BRS   | 50     | S20 not S16                                                                                        |  |
| 20  | BRS   | 10     | S21 and (submount\$4 sub adj1 mount\$4)                                                            |  |

|         | DBs                                   | Time Stamp       |
|---------|---------------------------------------|------------------|
| 1       | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | <u> </u>         |
| 2 .     | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT |                  |
| 3       | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 13:15 |
| 4       | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT |                  |
| 5       | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 13:12 |
|         | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT |                  |
| 1       | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT |                  |
| <b></b> | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT |                  |
| 9       | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:37 |
| 120     | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 17:21 |
| 11      | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 13:25 |
| 12      | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 12:42 |
| 13      | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 13:56 |
| 14      | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:58 |
|         | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT |                  |
| 10      | DEC. DERWENT                          | 2006/01/13 13:55 |
| 17      | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 13:56 |
| 18      | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 13:57 |
|         | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:57 |
| 12.13   | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:07 |

|    | Туре  | Hits  | Search Text                                                                                                             |  |
|----|-------|-------|-------------------------------------------------------------------------------------------------------------------------|--|
| 21 | BRS   | 50    | S21 and (mount\$4)                                                                                                      |  |
| 22 | BRS   | 40    | S21 not S22                                                                                                             |  |
| 23 | BRS   | 1     | S24 and (tocan 'to' adj1 can<br>transist\$4 adj2 can)                                                                   |  |
| 24 | BRS   | 24    | S24 and (transist\$4)                                                                                                   |  |
| 25 | BRS   | 5     | ("4997243" "6536957" "20020057876"<br>"20030151121" "6340831").pn.                                                      |  |
| 26 | BRS . | 6     | S27 S28                                                                                                                 |  |
| 27 | BRS   | 0     | S12 and S29                                                                                                             |  |
| 28 | BRS   | 2     | S19 and S29                                                                                                             |  |
| 29 | BRS   | 1 .   | S29 and transis\$4                                                                                                      |  |
| 30 | BRS   | 5     | S29 and (pd\$1 photodetect\$4<br>photodiod\$2 detect\$4) same (ld\$1<br>laser\$1 laserdiod\$2 emit\$4 near2<br>diod\$2) |  |
| 31 | BRS   | 1 .   | S29 and (heatsink\$4 sink\$4 cool\$5)                                                                                   |  |
| 32 | BRS   | 3     | S29 and (heatsink\$4 sink\$4 cool\$5 heat\$5)                                                                           |  |
| 33 | BRS   | 1 .   | S35 and waveguide\$1                                                                                                    |  |
| 34 | BRS   | 19480 | "39" and waveguide\$1                                                                                                   |  |
| 35 | BRS   | 3     | S29 and waveguide\$1                                                                                                    |  |
| 36 | BRS · | 8     | ("20030174454" "20050105911" "20050094949" "20040165840" "20030201462" "20030054558" "6164837" "5130531").pn.           |  |
| 37 | BRS   | 1     | 10/664690                                                                                                               |  |
| 38 | BRS   | 5     | S29 and (pd\$1 photodetect\$4<br>photodiod\$2 detect\$4) and (ld\$1<br>laser\$1 laserdiod\$2 emit\$4 near2<br>diod\$2)  |  |
| 39 | BRS   | 13    | S27 S40                                                                                                                 |  |

|    | DBs                                   | Time Stamp       |
|----|---------------------------------------|------------------|
| 21 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:08 |
| 22 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:08 |
| 23 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:10 |
| 24 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:26 |
| 25 | US-PGPUB; USPAT                       | 2007/01/22 16:15 |
| 26 | US-PGPUB; USPAT                       | 2006/01/13 14:35 |
| 27 | US-PGPUB; USPAT                       | 2006/01/13 14:35 |
| 28 | US-PGPUB; USPAT                       | 2006/01/13 14:35 |
| 29 | US-PGPUB; USPAT                       | 2006/01/13 14:35 |
| 30 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:54 |
| 31 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:39 |
| 32 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:49 |
|    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT |                  |
| 24 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:49 |
| 35 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 14:49 |
| 36 | US-PGPUB; USPAT                       | 2006/01/13 15:02 |
| 37 | US-PGPUB; USPAT                       | 2006/01/13 15:00 |
|    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | ,                |
| 39 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/13 15:39 |

|    | Туре | Hits | Search Text                                                                                                                                                                   |  |
|----|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 40 | BRS  | 11   | S41 and ((wir\$4 leads conductor\$1) same electric\$4)                                                                                                                        |  |
| 41 | BRS  | 1    | S1 and ((wir\$4 leads) near7 electric\$4 near7 (mount\$4 sub))                                                                                                                |  |
| 42 | BRS  | 1    | S1 and ((wir\$4 lead\$2) same electric\$4 same (mount\$4 sub))                                                                                                                |  |
| 43 | BRS  | 6    | ("20040071411" "20030151121" "20020057876" "6536957" "6340831" "4997243").pn.                                                                                                 |  |
| 44 | BRS  | 14   | S41 S46                                                                                                                                                                       |  |
| 45 | BRS  | 10   | S47 and ((wir\$4 lead\$2) same electric\$4 same (mount\$4 sub))                                                                                                               |  |
| 46 | BRS  | 11   | S47 and ((wir\$4 lead\$2) same electric\$4 same (mount\$4 submount\$4))                                                                                                       |  |
| 47 | BRS  | 10   | S49 and (pd\$1 photodetect\$4 photodiod\$2 detect\$4) and (ld\$1 laser\$1 laserdiod\$2 emit\$4 near2 diod\$2)                                                                 |  |
| 48 | BRS  | 10   | S49 and (pd\$1 photodetect\$4 photodiod\$2 detect\$4) near12 (ld\$1 laser\$1 laserdiod\$2 emit\$4 near2 diod\$2)                                                              |  |
| 49 | BRS  | 1    | S1 and tee\$3                                                                                                                                                                 |  |
| 50 | BRS  | 1.   | "4997243".pn.                                                                                                                                                                 |  |
| 51 | BRS  | 1    | S53 and (pd\$1 photodetect\$4 photodiod\$2 detect\$4) same (led\$1 ld\$1 laser\$1 laserdiod\$2 emit\$4) and (stem\$4 mount\$4 wir\$4 lead\$1)                                 |  |
| 52 | BRS  | 1    | S53 and (pd\$1 photodetect\$4 photodiod\$2 detect\$4) and (led\$1 ld\$1 laser\$1 laserdiod\$2 emit\$4) and (stem\$4 mount\$4 wir\$4 lead\$1)                                  |  |
| 53 | BRS  | 60   | S15 not S16                                                                                                                                                                   |  |
| 54 | BRS  | 39   | S56 and (pd\$1 photodetect\$4 photodiod\$2 detect\$4) near12 (led\$1 ld\$1 laser\$1 laserdiod\$2 emit\$4) and (wir\$4 leads lines) near7 elect\$5 same (submount\$4 mount\$5) |  |
| 55 | BRS  | 39   | S58 and (sink\$4 heatsink\$4 cool\$4<br>dissip\$5 waveguide\$1)                                                                                                               |  |

|    | DBs                                  | Time Stamp                     |
|----|--------------------------------------|--------------------------------|
| 40 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | 2006/01/13 15:29               |
| 41 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | );<br>2006/01/13 18:46         |
| 42 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | <sup>);</sup> 2006/01/13 15:41 |
| 43 | US-PGPUB; USPAT                      | 2006/01/13 15:40               |
|    | US-PGPUB; USPAT                      | 2006/01/13 15:40               |
| 45 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | 2006/01/13 15:43               |
| 46 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | );<br>2006/01/13 15:43         |
| 47 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | );<br>2006/01/13 15:52         |
|    | US-PGPUB; USPAT; EPO<br>JPO; DERWENT |                                |
| 49 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | );<br>2006/01/13 16:56         |
| 50 | US-PGPUB; USPAT                      | 2006/01/13 16:56               |
| 51 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | );<br>2006/01/13 17:00         |
|    | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | ·                              |
| 53 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | );<br>2006/01/13 17:21         |
|    | US-PGPUB; USPAT; EPO<br>JPO; DERWENT |                                |
| 55 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | 2006/01/13 17:28               |

|    | Туре  | Hits              | Search Text                                                                                                                                                                       |  |
|----|-------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 56 | BRS   | 39                | S58 and (waveguide\$1)                                                                                                                                                            |  |
| 57 | BRS   | 15                | S60 and (sink\$4 heatsink\$4 cool\$4 dissip\$5)                                                                                                                                   |  |
| 58 | BRS   | 24                | S60 not S61                                                                                                                                                                       |  |
| 59 | BRS   | 122               | S18 and (pd\$1 photodetect\$4 photodiod\$2 detect\$4) near12 (led\$1 ld\$1 laser\$1 laserdiod\$2 emit\$4) and (wir\$4 leads lines) near7 elect\$5 same (submount\$4 mount\$5)     |  |
| 60 | BRS   | 56                | S63 not (S26 S56 S21 S16)                                                                                                                                                         |  |
| 61 | BRS   | 263066            | stem                                                                                                                                                                              |  |
| 62 | BRS   | 4679 <sub>.</sub> | (pd\$1 photodetect\$4 photodiod\$2 detect\$4) near12 (led\$1 ld\$1 laser\$1 laserdiod\$2 emit\$4) and (wir\$4 leads pins) near7 electr\$4 same (submount\$4 mount\$5)             |  |
| 63 | BRS   | 31378             | stem near12 (submount\$4 mount\$5)                                                                                                                                                |  |
| 64 | BRS   | 35866             | S67 S68                                                                                                                                                                           |  |
| 65 | BRS   | 191               | S67 and S68                                                                                                                                                                       |  |
| 66 | BRS   | 88                | \$70 and (pd\$1 photodetect\$4 photodiod\$2 detect\$4) near12 (led\$1 ld\$1 laser\$1 laserdiod\$2 emit\$4) near12 (submount\$4 mount\$5)                                          |  |
| 67 | BRS   | 30                | S71 and ((wir\$4 lead\$1 pins) near7 electric\$4 near7 (mount\$4 sub))                                                                                                            |  |
| 68 | BRS   | 33                | S71 and ((wir\$4 lead\$1 pins) near7 electric\$4 near7 (mount\$4 submount\$2))                                                                                                    |  |
| 69 | BRS . | 31                | S73 not (S56 S26 S21 S16 S64)                                                                                                                                                     |  |
| 70 | BRS   | 4685              | (pd\$1 photodetect\$4 photodiod\$2<br>detect\$4) near12 (led\$1 ld\$1 laser\$1<br>laserdiod\$2 emit\$4) and (wir\$4 leads<br>pins) near7 electr\$4 same (submount\$4<br>mount\$5) |  |
| 71 | BRS   | 31399             | stem near12 (submount\$4 mount\$5)                                                                                                                                                |  |

|    | DBs                              |      | Time Stamp       |
|----|----------------------------------|------|------------------|
| 56 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/13 17:28 |
| 57 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/13 17:33 |
| 58 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/13 17:33 |
| 59 | US-PGPUB; USPAT;<br>JPO; DERWENT |      |                  |
| 60 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/13 18:40 |
| 61 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/13 18:41 |
| 62 | US-PGPUB; USPAT;<br>JPO; DERWENT |      |                  |
| 63 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/13 18:44 |
| 64 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/13 18:44 |
| 65 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:43 |
| 66 | US-PGPUB; USPAT;<br>JPO; DERWENT |      |                  |
| 67 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/13 18:47 |
| 68 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 10:40 |
| 69 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |
| 70 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 10:40 |
| 71 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 10:40 |

|    | Туре  | Hits  | Search Text                                                                                                                                      |
|----|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 72 | BRS   | 192   | S76 and S77                                                                                                                                      |
| 73 | BRS   | 89    | S78 and (pd\$1 photodetect\$4<br>photodiod\$2 detect\$4) near12 (led\$1<br>ld\$1 laser\$1 laserdiod\$2 emit\$4)<br>near12 (submount\$4 mount\$5) |
| 74 | BRS   | 33 .  | S79 and ((wir\$4 lead\$1 pins) near7 electric\$4 near7 (mount\$4 submount\$2))                                                                   |
| 75 | BRS · | 5     | ("20030165167" "20010026991" "6784464" "6562693" "6410904").pn.                                                                                  |
| 76 | BRS   | 2     | ("20030165167" "6410904").pn.                                                                                                                    |
| 77 | BRS   | 2     | S81 and ((wir\$4 lead\$1 pin\$1) same electric\$4 near7 (mount\$4 submount\$2))                                                                  |
| 78 | BRS   | 2     | S81 and ((wir\$4 lead\$1 pin\$1) near12 electric\$4) and (wir\$4 lead\$1 pin\$1) near12 (mount\$4 submount\$2)                                   |
| 79 | BRS   | 2     | S81 and ((wir\$4 lead\$1 pin\$1) near12 (conduct\$4 electric\$4) near7 (mount\$4 submount\$2))                                                   |
| 80 | BRS   | 2 ·   | S81 and (wir\$4 lead\$1 pin\$1 conduct\$4 electric\$4) near16 (mount\$4 submount\$2)                                                             |
| 81 | BRS   | o     | S81 and (radio\$10 rf)                                                                                                                           |
| 82 | BRS   | 193   | S78 (tee bias near2 tee) near7 (submount sub adj1 mount) and (submount sub adj1 mount) near7 (laser ld)                                          |
| 83 | BRS   | 0     | S78 and (tee bias near2 tee) near7 (submount sub adj1 mount) and (submount sub adj1 mount) near7 (laser ld)                                      |
| 84 | BRS   | 1     | (tee bias near2 tee) near7 (submount sub adj1 mount) and (submount sub adj1 mount) near7 (laser ld)                                              |
| 85 | BRS   | 172   | (tee bias near2 tee) near7 (radio rf)                                                                                                            |
| 86 | BRS   | О     | S78 and S91                                                                                                                                      |
| 87 | BRS   | 26442 | (stem\$3 substrat\$4) same leads same electr\$6                                                                                                  |

|       | DBs                                   | Time Stamp       |
|-------|---------------------------------------|------------------|
| 72    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 10:40 |
| 73    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 10:40 |
| 74    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2007/01/22 15:52 |
| 75    | US-PGPUB; USPAT                       | 2006/01/17 11:00 |
|       | US-PGPUB; USPAT                       | 2006/01/17 11:00 |
| 77    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 11:03 |
| 78    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 11:23 |
| 79    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 11:20 |
|       | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT |                  |
| 81 ·. | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 12:37 |
| 82    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 12:40 |
| 83    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 12:40 |
|       | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT |                  |
| 85    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 12:55 |
| 86    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 12:42 |
| 87    | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2006/01/17 12:42 |

|            | Туре  | Hits   | Search Text                                                                                     |  |
|------------|-------|--------|-------------------------------------------------------------------------------------------------|--|
| 88         | BRS   | 54505  | (tocan 'to' adj1 can transist\$4 adj2 can 'can' mount\$ submount\$4) same (waveguide\$1 cpw)    |  |
| 89         | BRS   | 271568 | (mount\$4 submount\$4) same (pd\$1 photodetect\$4 photodiod\$2 detect\$4)                       |  |
| 90         | BRS   | 150165 | (mount\$4 submount\$4 support\$4) same (ld\$1 laser\$1 laserdiod\$2 emit\$4 near2 diod\$2)      |  |
| 91         | BRS   | 111    | S93 and S94 and S95 and S96                                                                     |  |
| 92         | BRS   | 24664  | S95 same S96                                                                                    |  |
| 93         | BRS   | 98     | S97 and S98                                                                                     |  |
| 9 <b>4</b> | BRS . | 192    | S76 and S77                                                                                     |  |
| 95         | BRS   | 193    | S88 and (S97 S100 S78)                                                                          |  |
| 96         | BRS   | 2      | S91 and (S97 S100 S78)                                                                          |  |
| 97         | BRS   | 3730   | (stem) same (ld\$1 laser\$1 laserdiod\$2 emit\$4 near2 diod\$2)                                 |  |
| 98         | BRS   | 1336   | (stem) same (ld\$1 laser\$1 laserdiod\$2 emit\$4 near2 diod\$2) same (submount\$4 mount\$4)     |  |
| 99         | BRS   | 3      | S91 and S104                                                                                    |  |
| 100        | BRS   | 3      | S91 and S103                                                                                    |  |
| 101        | BRS.  | 23220  | (stem) and (ld\$1 laser\$1 laserdiod\$2 emit\$4 near2 diod\$2)                                  |  |
| 102        | BRS   | 3      | S91 and S107                                                                                    |  |
| 103        | BRS   | 1416   | (su adj1 mount\$4 submount\$3) near7 (ld\$1 laser\$1 laserdiod\$2 emit\$4 near2 diod\$2)        |  |
| 104        | BRS   | 1      | S91 and S109                                                                                    |  |
| 105        | BRS   | 2366   | (sub adj1 mount\$4 submount\$3) near7<br>(ld\$1 laser\$1 laserdiod\$2 emit\$4 near2<br>diod\$2) |  |
| 106        | BRS   | 4      | S91 and S111                                                                                    |  |

|         | DBs                              |      | Time Stamp       |
|---------|----------------------------------|------|------------------|
| 88      | US-PGPUB; USPAT;<br>JPO; DERWENT |      | 1                |
| 89      | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:42 |
| 90      | US-PGPUB; USPAT;<br>JPO; DERWENT |      |                  |
| 91      | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:42 |
| 92      | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:42 |
| 93      | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:42 |
| 94      | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:43 |
| 95      | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:45 |
| 96      | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:45 |
| 97      | US-PGPUB; USPAT;<br>JPO; DERWENT |      |                  |
| 1       | US-PGPUB; USPAT;<br>JPO; DERWENT |      | <b>i</b>         |
| 99      | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:48 |
| 100     | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:48 |
|         | US-PGPUB; USPAT;<br>JPO; DERWENT |      |                  |
| <b></b> | US-PGPUB; USPAT;<br>JPO; DERWENT |      |                  |
| 103     | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:50 |
| 104     | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:50 |
| 105     | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:50 |
| 106     | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 12:50 |

|     | Туре  | Hits. | Search Text                                                                                                                                                                                |
|-----|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 107 | BRS   | 10    | (tee bias near2 tee) near9 (radio rf) near12 (ld\$1 laser\$1 laserdiod\$2 emit\$4 near2 diod\$2)                                                                                           |
| 108 | BRS   | О     | S81 and (radio rf)                                                                                                                                                                         |
| 109 | BRS   | o     | S114 and (waveguide\$1)                                                                                                                                                                    |
| 110 | BRS . | o     | S114 and (waveguide\$1 guid\$4 fiber\$1 fibre\$1)                                                                                                                                          |
| 111 | BRS   | 2     | S81 and (waveguide\$1 guid\$4 fiber\$1 fibre\$1)                                                                                                                                           |
| 112 | BRS   | 98    | S97 and S98                                                                                                                                                                                |
| 113 | BRS   | 98    | S118 and waveguide\$1                                                                                                                                                                      |
| 114 | BRS   | 38    | S119 and (sink\$3 heatsink\$3)                                                                                                                                                             |
| 115 | BRS   | 52566 | (stem\$3 substrat\$4) same ((leads wire\$2 conductors) near4 electr\$6)                                                                                                                    |
| 116 | BRS   | 231   | S121 and S94 and S95 and S96                                                                                                                                                               |
| 117 | BRS   | 231   | S122 and waveguide\$1                                                                                                                                                                      |
| 118 | BRS   | 77    | S123 and (sink\$3 heatsink\$3)                                                                                                                                                             |
| 119 | BRS   | 50    | S124 not S120                                                                                                                                                                              |
| 120 | BRS   | 10    | S125 and (submount\$4 sub adj1 mount\$4)                                                                                                                                                   |
| 121 | BRS   | 4 0 · | S125 not S126                                                                                                                                                                              |
| 122 | BRS   | 24    | S127 and (transist\$4)                                                                                                                                                                     |
| 123 | BRS   | 60    | S119 not S120                                                                                                                                                                              |
| 124 | BRS   | 122   | S122 and (pd\$1 photodetect\$4<br>photodiod\$2 detect\$4) near12 (led\$1<br>ld\$1 laser\$1 laserdiod\$2 emit\$4) and<br>(wir\$4 leads lines) near7 elect\$5 same<br>(submount\$4 mount\$5) |
| 125 | BRS   | 56    | S130 not (S128 S129 S125 S120)                                                                                                                                                             |
| 126 | BRS   | 33    | S79 and ((wir\$4 lead\$1 pins) near7 electric\$4 near7 (mount\$4 submount\$2))                                                                                                             |

|     | DBs                              |      | Time Stamp       |
|-----|----------------------------------|------|------------------|
| 107 | US-PGPUB; USPAT;<br>JPO; DERWENT |      |                  |
| 108 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:04 |
| 109 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:05 |
| 110 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:06 |
| 111 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:06 |
| 112 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |
| 113 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |
| 114 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |
| 115 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |
| 116 | US-PGPUB; USPAT;<br>JPO; DERWENT |      | 2006/01/17 13:07 |
| 117 | US-PGPUB; USPAT;<br>JPO; DERWENT |      | 2006/01/17 13:09 |
| 118 | US-PGPUB; USPAT;<br>JPO; DERWENT |      | 2006/01/17 13:07 |
| 119 | US-PGPUB; USPAT;<br>JPO; DERWENT |      | 2006/01/17 13:07 |
| 120 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |
| 121 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |
| 122 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |
| 123 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |
| 124 | US-PGPUB; USPAT;<br>JPO; DERWENT |      |                  |
| 125 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |
| 126 | US-PGPUB; USPAT;<br>JPO; DERWENT | EPO; | 2006/01/17 13:07 |

|     | Туре  | Hits  | Search Text                                                                                                                                           |  |  |
|-----|-------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 127 | BRS   | 31    | S132 not (S129 S128 S125 S120 S131)                                                                                                                   |  |  |
| 128 | BRS   | 1     | S133 and waveguide\$1                                                                                                                                 |  |  |
| 129 | BRS   | 1     | 10/811599                                                                                                                                             |  |  |
| 130 | BRS   | 1     | S135 and (chok\$3)                                                                                                                                    |  |  |
| 131 | BRS   | 2     | S81 and (LD laser) same (p\$1 electrode\$1)                                                                                                           |  |  |
| 132 | BRS   | 2     | S81 and (LD laser) near14 (p\$1<br>electrode\$1 anod\$2 cathod\$2 positiv\$2<br>negativ\$2)                                                           |  |  |
| 133 | BRS   | 1     | S135 and (mount\$4 submount\$4) with (ceram\$4 silic\$5 ain)                                                                                          |  |  |
| 134 | BRS   | 1     | S135 and (mount\$4 submount\$4) same (ceram\$4 silic\$5 AIN)                                                                                          |  |  |
| 135 | BRS   | 30582 | (mount\$4 submount\$4) near14 (ceram\$4 AlN)                                                                                                          |  |  |
| 136 | BRS   | 9     | (S78 S97 S100) and (ceram\$4 near12<br>AlN)                                                                                                           |  |  |
| 137 | BRS   | 6     | S142 and (submount4 mount\$4 pakag\$3) same (ceram\$4 near12 AlN)                                                                                     |  |  |
| 138 | BRS   | 3     | S142 not S143                                                                                                                                         |  |  |
| 139 | BRS   | 33    | (sub adj1 mount\$3 submount\$4) near7 (ceramic\$1) and (ceramic near12 AlN)                                                                           |  |  |
| 140 | BRS   | 1     | S146 and (radio rf) near7 (laser ld)                                                                                                                  |  |  |
| 141 | BRS   | 16    | S145 and stem                                                                                                                                         |  |  |
| 142 | BRS   | o     | S81 and (di dy) same (pd ld)                                                                                                                          |  |  |
| 143 | BRS   | 2     | S81 and (die\$2 dy solder\$3) same (pd<br>ld)                                                                                                         |  |  |
| 144 | BRS   |       | S155 and (emi\$6 laser\$3 diod\$2 photodiod\$2 photodiod\$3 photodetect\$4 photo detect\$5 photodiod\$2 photoconver\$4 photoelectric near2 conver\$4) |  |  |
| 145 | BRS . | 113   | S152 and (pd\$1 photodetect\$4<br>photodiod\$2 detect\$4) near12 (led\$1<br>ld\$1 laser\$1 laserdiod\$2 emit\$4)<br>near12 (submount\$4 mount\$5)     |  |  |

|     | DBs                                  | Time Stamp             |
|-----|--------------------------------------|------------------------|
|     | US-PGPUB; USPAT; EP<br>JPO: DERWENT  | 0:                     |
| 127 | JPO; DERWENT                         | 2006/01/17 13:07       |
| 128 | US-PGPUB; USPAT; EP<br>JPO; DERWENT  | O; 2006/01/17 13:09    |
| 129 | US-PGPUB; USPAT; EP<br>JPO; DERWENT  | O;<br>2006/01/17 13:41 |
| 130 | US-PGPUB; USPAT; EP<br>JPO; DERWENT  | O;<br>2006/01/17 13:45 |
| 131 | US-PGPUB; USPAT; EP<br>JPO; DERWENT  | O; 2006/01/17 13:48    |
| 132 | US-PGPUB; USPAT; EP<br>JPO; DERWENT  |                        |
| 133 | US-PGPUB; USPAT; EP<br>JPO; DERWENT  | O; 2006/01/17 13:59    |
| 134 | US-PGPUB; USPAT; EP<br>JPO; DERWENT  | O; 2006/01/17 14:05    |
|     | US-PGPUB; USPAT; EP<br>JPO; DERWENT  |                        |
| 136 | US-PGPUB; USPAT; EP<br>JPO; DERWENT  | 2006/01/1/ 14:13       |
| 137 | US-PGPUB; USPAT; EP<br>JPO; DERWENT  | 2006/01/17 14:18       |
| 138 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | O;<br>2006/01/17 14:21 |
| 139 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | O; 2006/01/17 14:23    |
| 140 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | O;<br>2006/01/17 14:24 |
| 141 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | O;<br>2006/01/17 14:42 |
| 142 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | O;<br>2006/01/17 14:43 |
| 143 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | O;<br>2006/01/17 14:43 |
| 144 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | O;<br>2007/01/22 16:17 |
| 145 | US-PGPUB; USPAT; EPO<br>JPO; DERWENT | O;<br>2007/01/22 15:52 |

|     | Туре | Hits  | Search Text                                                                                                                                                                       |  |
|-----|------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 146 | BRS  |       | S153 and ((wir\$4 lead\$1 pins) near7 electric\$4 near7 (mount\$4 submount\$2))                                                                                                   |  |
| 147 | BRS  | 33180 | stem near12 (submount\$4 mount\$5)                                                                                                                                                |  |
| 148 | BRS  | 243   | S150 and S151                                                                                                                                                                     |  |
| 149 | BRS  | 5401  | (pd\$1 photodetect\$4 photodiod\$2<br>detect\$4) near12 (led\$1 ld\$1 laser\$1<br>laserdiod\$2 emit\$4) and (wir\$4 leads<br>pins) near7 electr\$4 same (submount\$4<br>mount\$5) |  |
| 150 | BRS  | 1     | ("20030165167").pn.                                                                                                                                                               |  |
| 151 | BRS  | [ ]   | S155 and (detect\$5 photo photodetect\$5 pd\$1 photodiod\$3)                                                                                                                      |  |

|     | DBs                                   | Time Stamp       |
|-----|---------------------------------------|------------------|
|     | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT |                  |
|     | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 1 1              |
| 148 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2007/01/22 15:52 |
| 149 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2007/01/22 15:52 |
| 150 | US-PGPUB; USPAT                       | 2007/01/22 16:15 |
| 151 | US-PGPUB; USPAT; EPO;<br>JPO; DERWENT | 2007/01/22 16:17 |

|   | Туре | L#   | Hits  | Search Text                                                                                                     | DBs                                                    | Time Stamp          |
|---|------|------|-------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------|
| 1 | BRS  | L1   | 5698  | laserdiod\$2 emit\$4) and (wir\$4 leads pins) near7                                                             | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>JPO;<br>DERWEN<br>T | 2007/07/05<br>11:27 |
| 2 | BRS  | L2   | 33926 | stem near12 (submount\$4<br>mount\$5)                                                                           | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>JPO;<br>DERWEN      | 2007/07/05<br>11:27 |
| 3 | BRS  | L3   | 271   | L1 and L2                                                                                                       | US-<br>PGPUB;<br>USPAT;<br>EPO;<br>JPO;<br>DERWEN      | 2007/07/05<br>11:27 |
| 4 | BRS  | L4   | 129   | L3 and (pd\$1 photodetect\$4 photodiod\$2 detect\$4) near12 (led\$1 ld\$1 laser\$1 laserdiod\$2 emit\$4) near12 |                                                        | 2007/07/05<br>11:27 |
| 5 | BRS  | L5 · |       | L4 and ((wir\$4 lead\$1 pins)<br>near7 electric\$4 near7<br>(mount\$4 submount\$2))                             | IH: P( ) •                                             | 2007/07/05<br>11:27 |

|   | Comments | Error | Definition | Err |
|---|----------|-------|------------|-----|
| 1 |          |       |            |     |
| 2 |          |       |            |     |
| 3 |          |       | ,          |     |
| 4 | ·        |       |            |     |
| 5 |          |       |            |     |